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NOTICE OF ALLOWANCE AND FEE(S) DUE

21658

7590

03/08/2004

DYKAS, SHAVER & NIPPER, LLP P.O. BOX 877 802 WEST BANNOCK STREET, SUITE 405 **BOISE, ID 83701**

EXAMINER

PAPER NUMBER

CHAMBERS, TROY

ART UNIT 3641

DATE MAILED: 03/08/2004

[APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/004,999	12/07/2001	George M. Vais	VAIG101	9222

TITLE OF INVENTION: MUZZLE BRAKE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665	\$300	\$965	06/08/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

□ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (703) 746-4000

appropriate. All further cor	respondence including the Poelow or directed otherwise	atent, advance orders and	d notification	of maintenance fees	uired). Blocks 1 through 4 si will be mailed to the current ss; and/or (b) indicating a sepa	correspondence address as
CURRENT CORRESPONDENC	E ADDRESS (Note: Legibly mark-up	with any corrections or use Block	1)	Fee(s) Transmittal. T papers. Each addition	of mailing can only be used for this certificate cannot be used to nal paper, such as an assignment ate of mailing or transmission.	for any other accompanying
DYKAS, SHAVI P.O. BOX 877	ER & NIPPER, LLP OCK STREET, SUITE	405		C I hereby certify that States Postal Service addressed to the Ma	ertificate of Mailing or Trans this Fee(s) Transmittal is being with sufficient postage for fir ail Stop ISSUE FEE address PTO, on the date indicated bel	g deposited with the United st class mail in an envelope above, or being facsimile
,		•				(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	FIRST N	AMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/004,999	12/07/2001	Ge	orge M. Vais	.	VAIG101	9222
TITLE OF INVENTION: M	UZZLE BRAKE					
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nonprovisional	YES	\$665		\$300	\$965	06/08/2004
EXAM	INER	ART UNIT	C	LASS-SUBCLASS	7	
CHAMBE	RS, TROY	3641			_	
CFR 1.363). U Change of corresponde Address form PTO/SB/17 U "Fee Address" indication PTO/SB/47; Rev 03-02 of Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless been previously submitter (A) NAME OF ASSIGNI	on (or "Fee Address" Indication more recent) attached. Use RESIDENCE DATA TO BE an assignee is identified beload to the USPTO or is being subseted. BE assignee category or category enclosed:	name agen firm agen attorn will library agen will library agen attorn agen attorn will library agen attorn agen attorn will library agen attorn agen attorn agen attorn will library agen attorn agen agen attorn agen attorn agen agen attorn agen attorn agen attorn agen agen attorn agen agen attorn agen attorn agen attorn agen agen attorn agen attorn agen agen agen attorn agen agen agen agen agen agen agen age	es of up to ts OR, altern (having as a t) and the na neys or agen be printed. TENT (print a appear on the over. Comple DENCE: (CII the patent); ent of Fee(s): eck in the am ment by credit	e patent. Inclusion of tion of this form is NO Y and STATE OR CO individual i	attorneys or 1 e of a single d attorney or 2 stered patent ed, no name 3 assignee data is only appropria DT a substitute for filing an assi DUNTRY) I corporation or other private granclosed.	oup entity
Director for Patents is reques (Authorized Signature)	sted to apply the Issue Fee and	d Publication Fee (if any) (Date)	or to re-apply	y any previously paid	issue fee to the application ide	ntified above.
NOTE; The Issue Fee and other than the applicant; interest as shown by the red This collection of informa obtain or retain a benefit application. Confidentiality estimated to take 12 minut completed application for case. Any comments on	I Publication Fee (if required a registered attorney or agestords of the United States Pattion is required by 37 CFR by the public which is to file is governed by 35 U.S.C. 12 es to complete, including gain to the USPTO. Time will the amount of time you rehis burden, should be sent to Office, U.S. Department of END FEES OR COMPLET for Patents, Alexandria, Virgi	n) will not be accepted in the assignment of the trademark office in the trademark office in the trademark of the trademark o	s required to process) an collection is bmitting the e individual form and/or			
Under the Paperwork Rec	duction Act of 1995, no po nless it displays a valid OMB	rsons are required to re				



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10/004,999		12/07/2001	George M. Vais	VAIG101	9222
21658	7590	03/08/2004		. EXA	MINER
•	VER &	NIPPER, LLP		СНАМЕ	ERS, TROY
P.O. BOX 877 802 WEST BAN	NOCK S	STREET, SUITE 405		ART UNIT	PAPER NUMBER
BOISE, ID 8370)1	•		3641	
				D. 470 MAIL ED. 02/00/2	204

DATE MAILED: 03/08/2004

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	()(0)					
	10/004,999	VAIS, GEORGE M.	O,					
Notice of Allowability	Examiner	Art Unit						
	Troy Chambers	3641	!					
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Report the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communicatio IGHTS. This application is subject	oplication. If not include n will be mailed in due	ed course. THIS					
1. Mathical This communication is responsive to Amend filed 1/29/04.	. X This communication is responsive to <u>Amend filed 1/29/04</u> .							
2. ☑ The allowed claim(s) is/are <u>1,3,9,10,13,14 and 16</u> .								
3. $igotimes$ The drawings filed on <u>12/07/2001</u> are accepted by the Exa	miner.							
 Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 								
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.								
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			IOTICE OF					
 CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 								
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			Note the					
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal 6. Interview Summar Paper No./Mail Da 7. Examiner's Amend 8. Examiner's Statem 9. Other	y (PTO-413), ate dment/Comment	,					

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Response to Arguments

1. Applicant's arguments, see paragraphs 5 and 6, filed 01/29/04, with respect to the objection of claim 1 (paragraph 3) have been fully considered and are persuasive. The objection of claim 1 has been withdrawn.

- 2. Applicant's arguments, see paragraphs 5 and 6, filed 01/29/04, with respect to the objection of claim 1 (paragraph 4) have been fully considered and are persuasive. The objection of claim 1 has been withdrawn.
- 3. Applicant's arguments, see paragraphs 7-13, filed 01/29/04, with respect to the rejection of claims 1-3, 9, 10, 13 and 16 under 35 U.S.C. 112 (1) have been fully considered and are persuasive. The rejection of claims 1-3, 9, 10, 13 and 16 has been withdrawn.
- 4. Applicant's arguments, see paragraphs 37-45, filed 01/29/04, with respect to the rejection of claim 1 as being anticipated by Perrine have been fully considered and are partially persuasive. The rejection of claim 1 has been withdrawn. However, the reasons for withdrawal are based on the amendment to include the subject matter of claim 1. The Examiner disagrees with applicant's arguments. With respect to applicant's paragraph 40, the applicant argues the "away from a shooter" limitation over comes the cited prior art. However, this limitation will be given little, if any, weight because the applicant has claimed neither a firearm nor a shooter. So, it is quite impossible for gasses (which does not exist because there is no gun nor bullets) to be directed away from a shooter that is not present. Even if such a claim were possible, an

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individual committing suicide with the Perrine gun/muzzle break would surely have gasses dispersed away from him.

- 5. With respect to paragraphs 42-44, the applicant argues Perrine does not disclose slots having a greater longitudinal dimension than lateral dimension because the slots "are positioned so that the longest portion of these slots are placed generally perpendicular to the orientation of the inner bore and the longer portions are positioned generally perpendicular to the direction of the bore." However, the applicant's attorney has misunderstood the claim language. The claim begins by requiring a body with a generally longitudinal axis. Thereafter, the claim recites elongated openings having a longitudinal dimension and a lateral dimension. (Emphasis added). However, there is not requirement that the longitudinal dimension of the opening be coincident with the longitudinal axis of the body. It is clear that the openings disclosed in Perrine have longitudinal and lateral dimensions, with the longitudinal dimension greater than the lateral dimension.
- 6. Applicant's arguments, see paragraphs 46-51, filed 01/29/04, with respect to the rejection of claim 1 as being anticipated by Leffel have been fully considered and are persuasive. The rejection of claim 1 has been withdrawn in view of the amendment.
- 7. Applicant's arguments, see paragraphs 52-57, filed 01/29/04, with respect to the rejection of claim 1 as being anticipated by Cellini have been fully considered and are partially persuasive. The rejection of claim 1 has been withdrawn because the applicant has required "at least three elongated openings". There does not appear to be any motivation/suggestion to require 3 openings. The Examiner, however, disagrees with

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the applicant's arguments. Specifically, in paragraphs 52-57, the applicant argues that the openings closest to the first end of the Cellini muzzle break are round, not elongated. However, this is not what the claim requires. The claim requires the Examiner to "compare" the position of the elongated openings with the position of "any other aperture". The openings at the second end are clearly radial and when comparing the elongated openings to the openings at the second end, it is clear that the elongated openings are closer to the first end. There is no requirement that there be no holes between the elongated openings and the second end.

8. Applicant's arguments, see paragraphs 58-61, filed 01/29/04, with respect to the rejection of claim 1 as being anticipated by Hull have been fully considered and are partially persuasive. The rejection of claim 1 has been withdrawn because of the additional subject matter added to claim 1. The argument provided in paragraph 60 is not persuasive as explained above.

Applicant's arguments, see paragraphs 62-74, filed 01/29/04, with respect to rejection of claims 3, 9, 10, 13 and 16 as obvious over Mihaita in view of Kleinguenther have been fully considered and are partially persuasive. The rejection of claims 9, 10 and 16 has been withdrawn because of the subject matter added to claim 1 by amendment.

Allowable Subject Matter

- 9. Claim 1, 3, 9, 10, 13, 14, 16 are allowed.
- 10. The following is an examiner's statement of reasons for allowance: Claim 1 is allowable over U.S. Patents 2322370 issued to Lance and 2165457 issued Cutts. Both Lance and Cutts disclose every limitation of applicants claim 1 with the exception the

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limitation requiring the secondary gas holes to be radial. Radial holes require a constant distance from a center. The secondary holes of Cutts and Lance are elongated. Claim 13 is allowable over Cutts and Lance because the secondary gas holes are not radial nor are the muzzle brakes cylindrical.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art cited on form PTO-892 are cited as of interest to show similar muzzle brakes.
- 12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Troy Chambers whose telephone number is (703) 308-5870. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael J. Carone, can be reached at (703) 306-4198.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-4177. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

SUPERVISORY PATENT EXAMINER